

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	82	156/345.3	US-PGPUB; USPAT	OR	ON	2006/09/20 11:55
S2	98	(156/345.3).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/20 18:42
S3	78	S2 and etch\$4	US-PGPUB; USPAT	OR	ON	2006/02/20 18:43
S4	9	((("4659449") or ("5203924") or ("6486437") or ("6592771"))).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/20 18:43
S5	4	((("4659449") or ("5203924") or ("6486437") or ("6592771"))).PN.	US-PGPUB; USPAT	OR	OFF	2006/02/20 18:44
S6	15	(standoff stand-off atand adj off) adj mask\$4	US-PGPUB; USPAT	OR	ON	2006/09/18 06:00
S7	146	S1 S2 S3 S4 S5 S6	US-PGPUB; USPAT	OR	ON	2006/09/13 20:09

S8	20	("20020168166"   "4243506"   "4523971"   "4661203"   "4842679"   "5015331"   "5171732"   "5223108"   "5254215"   "5304250"   "5332464"   "5753014"   "5764842"   "5986275"   "6087274"   "6176967"   "6214161"   "6261406"   "6316289"   "6413880").PN.	US-PGPUB; USPAT	OR	ON	2006/09/20 17:03
S9	21	("20020168166"   "4243506"   "4523971"   "4661203"   "4842679"   "5015331"   "5171732"   "5223108"   "5254215"   "5304250"   "5332464"   "5753014"   "5764842"   "5986275"   "6087274"   "6176967"   "6214161"   "6261406"   "6316289"   "6413880").PN. ("20010036744").PN.	US-PGPUB; USPAT	OR	ON	2006/09/13 05:13
S10	6	("4771213"   "5770123"   "5868952"   "6132805"   "6171351"   "6418941").PN.	US-PGPUB; USPAT	OR	ON	2006/09/13 05:13
S11	2	("6835317").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/13 20:14

S12	21	("3947887"   "4407695"   "4675075"   "5221841"   "5271800"   "5303100"   "5350480"   "5353182"   "5411630"   "5549211"   "5554303"   "5593602"   "5597495"   "5677011"   "5708267"   "5817373"   "5853959"   "5868952"   "5883005"   "5895582"   "6010831").PN. OR ("6835317").UPPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/13 20:03
S13	296	(US-20010004874-\$ or US- 20010007246-\$ or US- 20010007262-\$ or US- 20010022991-\$ or US- 20010037768-\$ or US- 20010050057-\$ or US- 20020000201-\$ or US- 20020005171-\$ or US- 20020009895-\$ or US- 20020053395-\$ or US- 20020142149-\$ or US- 20020189663-\$ or US- 20030000571-\$ or US- 20030039842-\$ or US- 20030060044-\$ or US- 20030070706-\$ or US- 20030134048-\$ or US- 20030136517-\$ or US- 20030170437-\$ or US-	US-PGPUB; USPAT	OR	ON	2006/09/13 20:08

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S14	90	156/345.3	US-PGPUB; USPAT	OR	ON	2006/09/13 20:09
S15	102	(156/345.3).OCL.S.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/13 20:09
S16	82	S15 and etch\$4	US-PGPUB; USPAT	OR	ON	2006/09/13 20:09

S17	9	((("4659449") or ("5203924") or ("6486437") or ("6592771")).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/13 20:09
S18	4	((("4659449") or ("5203924") or ("6486437") or ("6592771")).PN.	US-PGPUB; USPAT	OR	OFF	2006/09/13 20:09
S19	15	(standoff stand-off atand adj off) adj mask\$4	US-PGPUB; USPAT	OR	ON	2006/09/13 20:09
S20	154	S14 S15 S16 S17 S18 S19	US-PGPUB; USPAT	OR	ON	2006/09/13 20:09
S21	2	S13 and S20	US-PGPUB; USPAT	OR	ON	2006/09/13 20:10
S22	57	open adj area adj ratio with (mask\$4 plate) and etch\$4	US-PGPUB; USPAT	OR	ON	2006/09/13 20:28
S23	0	open adj area adj ratio with (mask\$4 plate) with gradient	US-PGPUB; USPAT	OR	ON	2006/09/13 20:24
S24	28	open adj area adj ratio with (mask\$4 plate) with (chang\$4 higher lower smaller greater)	US-PGPUB; USPAT	OR	ON	2006/09/13 20:24
S25	2	open adj area adj ratio with (mask\$4 plate) and etch\$4	USOCR; FPPS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 20:28

S26	27	("20010036744"   "20020168166"   "4243506"   "4523971"   "4661203"   "4771213"   "4842679"   "5015331"   "5171732"   "5223108"   "5254215"   "5304250"   "5332464"   "5753014"   "5764842"   "5770123"   "5868952"   "5986275"   "6087274"   "6132805"   "6171351"   "6176967"   "6214161"   "6261406"   "6316289"   "6413880"   "6418941").PN.	US-PGPUB; USPAT	OR	ON	2006/09/18 04:50
S27	15	(standoff stand-off stand adj off) adj mask\$4	US-PGPUB; USPAT	OR	ON	2006/09/18 06:01
S28	28	(standoff stand-off stand adj off) near mask\$4	US-PGPUB; USPAT	OR	ON	2006/09/18 06:01
S29	18	S28 and etch\$4	US-PGPUB; USPAT	OR	ON	2006/09/18 06:01
S30	0	(standoff stand-off stand adj off) near mask\$4 with mm and etch\$4	US-PGPUB; USPAT	OR	ON	2006/09/18 06:01
S31	0	(standoff stand-off stand adj off) near mask\$4 same mm and etch\$4	US-PGPUB; USPAT	OR	ON	2006/09/18 06:10
S32	5	(standoff stand-off stand adj off) near mask\$4 and mm	US-PGPUB; USPAT	OR	ON	2006/09/18 06:03

S33	0	(standoff stand-off stand adj off) near mask\$4 with mm	US-PGPUB; USPAT	OR	ON	2006/09/18 06:02
S34	0	(standoff stand-off stand adj off) near mask\$4 same mm	US-PGPUB; USPAT	OR	ON	2006/09/18 06:02
S35	4359	shadow adj mask\$3 and etch\$4	US-PGPUB; USPAT	OR	ON	2006/09/18 06:32
S36	371	shadow adj mask\$3 with mm and etch\$4	US-PGPUB; USPAT	OR	ON	2006/09/18 06:03
S37	17	shadow adj mask\$3 near mm and etch\$4	US-PGPUB; USPAT	OR	ON	2006/09/18 06:05
S38	153	shadow adj mask\$3 near4 mm and etch\$4 not S37	US-PGPUB; USPAT	OR	ON	2006/09/18 06:06
S39	63	shadow adj mask\$3 near2 mm and etch\$4 not S37	US-PGPUB; USPAT	OR	ON	2006/09/18 06:06
S40	3280	(standoff stand-off stand adj off) and etch\$4	US-PGPUB; USPAT	OR	ON	2006/09/18 06:30
S41	136	(standoff stand-off stand adj off) with mm and etch\$4	US-PGPUB; USPAT	OR	ON	2006/09/18 06:10
S42	22	(standoff stand-off stand adj off) near mm and etch\$4	US-PGPUB; USPAT	OR	ON	2006/09/18 06:12
S43	38	(standoff stand-off stand adj off) near3 mm and etch\$4 not S42	US-PGPUB; USPAT	OR	ON	2006/09/18 06:17
S44	36	(standoff stand-off stand adj off) near5 mm and etch\$4 not (S42 S43)	US-PGPUB; USPAT	OR	ON	2006/09/18 06:21

S45	25	(standoff stand-off stand adj off) near 8 mm and etch\$4 not (S42 S43 S44)	US-PGPUB; USPAT	OR	ON	2006/09/18 06:24
S46	15	(standoff stand-off stand adj off) with mm and etch\$4 not (S42 S43 S44 S45)	US-PGPUB; USPAT	OR	ON	2006/09/18 06:27
S47	11	(standoff stand-off stand adj off) same mm same etch\$4 not (S42 S43 S44 S45 S46)	US-PGPUB; USPAT	OR	ON	2006/09/18 06:27
S48	119	(standoff stand-off stand adj off) and etch\$4	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/18 06:31
S49	7	(standoff stand-off stand adj off) and mm and etch\$4	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/18 06:31
S50	1806	shadow adj mask\$3 and etch\$4	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/18 06:32
S51	102	shadow adj mask\$3 and mm and etch\$4	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/18 06:32
S52	56	shadow adj mask\$3 same mm and etch\$4	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/18 06:32

S53	34	shadow adj mask\$3 same mm same etch\$4	USOCR; FPPS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/18 06:32
S54	1	"5676242"	JPO; DERWENT	OR	ON	2006/09/20 11:55
S55	2	"56076242"	JPO; DERWENT	OR	ON	2006/09/20 11:58
S56	2	"63164433"	JPO; DERWENT	OR	ON	2006/09/20 11:58
S57	0	etch\$4 with (shadow stencil) with (sep?ration distance spacing height) near mm	US-PGPUB; USPAT	OR	ON	2006/09/20 13:38
S58	8	etch\$4 with (shadow stencil) with (sep?ration distance spacing height) with mm	US-PGPUB; USPAT	OR	ON	2006/09/20 13:40
S59	17	etch\$4 same (shadow stencil) with (sep?ration distance spacing height) with mm	US-PGPUB; USPAT	OR	ON	2006/09/20 13:42
S60	9	S59 not S58	US-PGPUB; USPAT	OR	ON	2006/09/20 13:40
S61	35	etch\$4 same (shadow stencil) same (sep?ration distance spacing height) with mm	US-PGPUB; USPAT	OR	ON	2006/09/20 14:11
S62	18	S61 not S59	US-PGPUB; USPAT	OR	ON	2006/09/20 13:42

S63	198	etch\$4 and (shadow stencil) same (sep?ration distance spacing height) with mm not S61	US-PGPUB; USPAT	OR	ON	2006/09/20 16:47
S64	51	etch\$4 and (shadow stencil) same (sep?ration distance spacing height) near mm not S61	US-PGPUB; USPAT	OR	ON	2006/09/20 14:30
S65	28	etch\$4 and (shadow stencil) with (sep?ration distance spacing height) near mm not S61	US-PGPUB; USPAT	OR	ON	2006/09/20 13:48
S66	18	etch\$4 and (shadow stencil) same (sep?ration distance spacing height) with mm	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/20 13:55
S67	3	etch\$4 same (shadow stencil) same (gap) with mm	US-PGPUB; USPAT	OR	ON	2006/09/20 13:58
S68	22	etch\$4 and (shadow stencil) same (gap) with mm	US-PGPUB; USPAT	OR	ON	2006/09/20 13:59
S69	40	etch\$4 and (shadow stencil) same (spaced) with mm not S61	US-PGPUB; USPAT	OR	ON	2006/09/20 14:15
S70	5	etch\$4 same (shadow stencil) same (spaced) with mm	US-PGPUB; USPAT	OR	ON	2006/09/20 14:12
S71	7	etch\$4 same (shadow stencil) same (spaced) same mm not S70	US-PGPUB; USPAT	OR	ON	2006/09/20 14:13

S72	35	S69 not (S70 S71)	US-PGPUB; USPAT	OR	ON	2006/09/20 14:15
S73	159	etch\$4 and (shadow stencil) same (sep?ration distance spacing height) with diameter	US-PGPUB; USPAT	OR	ON	2006/09/20 16:12
S74	27	etch\$4 same (shadow stencil) same (sep?ration distance spacing height) with diameter	US-PGPUB; USPAT	OR	ON	2006/09/20 14:37
S75	142	etch\$4 and (shadow stencil) same (sep?ration distance spacing height) with diameter and (@rlad<="20030826" @ad<="20030826")	US-PGPUB; USPAT	OR	ON	2006/09/20 15:20
S76	16	S75 and (sep?ration distance spacing height) near mm	US-PGPUB; USPAT	OR	ON	2006/09/20 16:26
S77	48	S75 not (S76 "25")	US-PGPUB; USPAT	OR	ON	2006/09/20 15:25
S78	101	S75 not (S74 S76)	US-PGPUB; USPAT	OR	ON	2006/09/20 15:21
S79	64	S78 not S77	US-PGPUB; USPAT	OR	ON	2006/09/20 15:35
S80	15	S73 not (S74 S76 S77 S79)	US-PGPUB; USPAT	OR	ON	2006/09/20 15:55
S81	6	((("6418941") or ("6592771") or ("6486437") or ("4659449") or ("5203924") or ("5940674"))).PN.	USPAT	OR	OFF	2006/09/20 15:56



S82	4	S81 and etch\$4 and (sep?ration gap distance spac\$3 height)	US-PGPUB; USPAT	OR	ON	2006/09/20 16:16
S83	10	(US-20010036744-\$ or US-20020168166-\$ or US-20010046586-\$).did. or (US-5764842-\$ or US-4661203-\$ or US-5753014-\$ or US-4045312-\$ or US-6372391-\$ or US-6313905-\$ or US-6391430-\$).did.	US-PGPUB; USPAT	OR	ON	2006/09/20 16:16
S84	296	(US-20040079725-\$ or US-20060163566-\$ or US-20030170437-\$ or US-20060162650-\$ or US-20060151021-\$ or US-20060011231-\$ or US-20060005876-\$ or US-20050255255-\$ or US-20050244571-\$ or US-20050241583-\$ or US-20050235914-\$ or US-20050173716-\$ or US-20050061246-\$ or US-20050022740-\$ or US-20040246789-\$ or US-20040238024-\$ or US-20040223223-\$ or US-20040159285-\$ or US-20040147139-\$ or US-20040144420-\$ or US-	US-PGPUB; USPAT	OR	ON	2006/09/20 16:16

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\$ or US-7047903-\$ or US-  
6968640-\$ or US-6958443-\$ or

US-6953599-\$ or US-6827787-\$ or US-6824609-\$ or US-6822157-\$ or US-6673462-\$ or US-6667240-\$ or US-6082060-\$ or US-6081017-\$ or US-6624050-\$ or US-6596395-\$ or US-6596075-\$ or US-6547922-\$ or US-6538959-\$ or US-6472593-\$ or US-6468688-\$ or US-6466522-\$ or US-6456010-\$ or US-6452091-\$ or US-6452089-\$.did. or (US-6444043-\$ or US-6433847-\$ or US-6417079-\$ or US-6395398-\$ or US-6387780-\$ or US-6363881-\$ or US-6353201-\$ or US-6338905-\$ or US-6336775-\$ or US-6335535-\$ or US-6297134-\$ or US-6294722-\$ or US-6291761-\$ or US-6278231-\$ or US-6223684-\$ or US-6222118-\$ or US-6218018-\$ or US-6211038-\$ or US-6201261-\$ or US-6189485-\$ or US-6124186-\$ or US-6113859-\$ or US-6107560-\$ or US-6086945-\$ or US-5445973-\$ or US-6075652-\$ or US-6072118-\$.did. or (US-6068755-\$ or US-6061977-\$ or US-6050494-\$ or US-6037088-\$ or US-6036323-\$ or US-6025555-\$ or US-

6015951-\$ or US-6005185-\$ or  
US-5982004-\$ or US-6858087-  
\$ or US-6846521-\$ or US-  
6933009-\$ or US-6916509-\$ or  
US-6906863-\$ or US-6248949-  
\$ or US-6878207-\$ or US-  
6869863-\$ or US-5397713-\$ or  
US-5981867-\$ or US-5965246-  
\$ or US-5943002-\$ or US-  
5912064-\$ or US-5897331-\$ or  
US-5885725-\$ or US-5841738-  
\$ or US-5827751-\$ or US-  
5821597-\$).did. or (US-  
5798284-\$ or US-5763064-\$ or  
US-5718773-\$ or US-5711998-  
\$ or US-5697192-\$ or US-  
5693745-\$ or US-5674786-\$ or  
US-5667597-\$ or US-5660646-  
\$ or US-5611864-\$ or US-  
5607009-\$ or US-5589403-\$ or  
US-5583057-\$ or US-5567241-  
\$ or US-5558953-\$ or US-  
5555878-\$ or US-5552180-\$ or  
US-5517017-\$ or US-5500055-  
\$ or US-5487786-\$ or US-  
5480494-\$ or US-5470619-\$ or  
US-5449413-\$ or US-4609930-  
\$ or US-5445871-\$ or US-  
5443647-\$ or US-5430616-\$).  
did. or (US-5413864-\$ or US-  
5411601-\$ or US-5403771-\$ or  
US-5356656-\$ or US-5316846-

\$ or US-5294494-\$ or US-  
5282902-\$ or US-5280133-\$ or  
US-5279686-\$ or US-5276600-  
\$ or US-5261962-\$ or US-  
5253105-\$ or US-5252140-\$ or  
US-5252139-\$ or US-5248621-  
\$ or US-5248510-\$ or US-  
5246886-\$ or US-5217540-\$ or  
US-5216543-\$ or US-5022930-  
\$ or US-5019712-\$ or US-  
5001302-\$ or US-4977347-\$ or  
US-4971633-\$ or US-4971029-  
\$ or US-4968384-\$ or US-  
4951602-\$.did. or (US-  
4948750-\$ or US-6238512-\$ or  
US-6234166-\$ or US-5745208-  
\$ or US-6719876-\$ or US-  
6689256-\$ or US-6268558-\$ or  
US-6249082-\$ or US-6355875-  
\$ or US-6355353-\$ or US-  
5364685-\$ or US-6180872-\$ or  
US-6175141-\$ or US-5362514-  
\$ or US-5360745-\$ or US-  
5956571-\$ or US-5952061-\$ or  
US-4937095-\$ or US-4921345-  
\$ or US-4900633-\$ or US-  
4869966-\$ or US-4861669-\$ or  
US-4850660-\$ or US-4834805-  
\$ or US-4825806-\$ or US-  
4808258-\$ or US-4806436-\$.  
did. or (US-4784701-\$ or US-  
4614319-\$ or US-4265974-\$ or

US-4608943-\$ or US-4608112-\$ or US-4601960-\$ or US-4587376-\$ or US-4585317-\$ or US-4582764-\$ or US-4582560-\$ or US-4578526-\$ or US-4574733-\$ or US-4574041-\$ or US-4547432-\$ or US-4544797-\$ or US-4539061-\$ or US-4534841-\$ or US-4514580-\$ or US-4513684-\$ or US-4511439-\$ or US-4510219-\$ or US-4486265-\$ or US-4485146-\$ or US-4483883-\$ or US-4481265-\$ or US-4480585-\$ or US-RE31708-\$.did. or (US-4452828-\$ or US-4449286-\$ or US-4447289-\$ or US-4414080-\$ or US-4401052-\$ or US-4396456-\$ or US-4392297-\$ or US-4379944-\$ or US-4377722-\$ or US-4369210-\$ or US-4368726-\$ or US-4368223-\$ or US-4336117-\$ or US-4325986-\$ or US-4310596-\$ or US-4309261-\$ or US-4287266-\$ or US-4286009-\$ or US-4280484-\$ or US-4268319-\$ or US-4267218-\$ or US-4131659-\$ or US-4108704-\$ or US-4098031-\$ or US-4097311-\$ or US-4097309-\$ or US-3920533-\$.did. or (US-3914598-\$ or US-

		5728230-\$ or US-4777563-\$ or US-4776896-\$ or US-5593917-\$ or US-4768463-\$ or US-4758399-\$ or US-5483060-\$ or US-4361136-\$ or US-4360813-\$ or US-5403751-\$ or US-4355196-\$ or US-4352948-\$ or US-4345107-\$ or US-4341843-\$ or US-4339484-\$ or US-4915978-\$ or US-4911353-\$ or US-4754544-\$ or US-4625395-\$ or US-4607132-\$ or US-4602422-\$ or US-4551575-\$ or US-4547958-\$ or US-4510195-\$ or US-4505221-\$ or US-4446168-\$.did. or (US-4442166-\$ or US-4363769-\$ or US-4322571-\$ or US-4312915-\$ or US-4264140-\$ or US-4262206-\$.did.				
S85	10	S83 and etch\$4 and (sep?ration gap distance spac\$3 height)	US-PGPUB; USPAT	OR	ON	2006/09/20 16:21
S86	9	S85 and (shadow stencil mask) same (sep?ration distance spacing height)	US-PGPUB; USPAT	OR	ON	2006/09/20 16:18
S87	5	S86 and diameter	US-PGPUB; USPAT	OR	ON	2006/09/20 16:18

S88	109	S84 and etch\$4 and (sep?ration gap distance spac\$3 height)	US-PGPUB; USPAT	OR	ON	2006/09/20 16:22
S89	4	S84 and etch\$4 and (sep?ration gap distance spac\$3 height) with (shadow stencil mask)	US-PGPUB; USPAT	OR	ON	2006/09/20 16:24
S90	0	("2004/0069412").URPN.	USPAT	OR	ON	2006/09/20 16:23
S91	4	S84 and etch\$4 and (sep?ration gap distance spac\$3 height) same (shadow stencil mask) not S89	US-PGPUB; USPAT	OR	ON	2006/09/20 16:24
S92	18	S84 and (sep?ration distance spacing height) near mm	US-PGPUB; USPAT	OR	ON	2006/09/20 16:27
S93	24	S84 and (sep?ration distance spac\$3 gap height) near mm	US-PGPUB; USPAT	OR	ON	2006/09/20 16:27
S94	0	("2004/0040932").URPN.	USPAT	OR	ON	2006/09/20 16:34
S95	76	etch\$4 and (baffle) same (sep?ration distance spacing height) with mm	US-PGPUB; USPAT	OR	ON	2006/09/20 17:04
S96	3	etch\$4 same (baffle) same (sep?ration distance spacing height) with mm	US-PGPUB; USPAT	OR	ON	2006/09/20 17:02
S97	1	("6835317").PN.	USPAT	OR	OFF	2006/09/20 17:02



S98	1	S97 and (sep?ration distance spacing height mm)	US-PGPUB; USPAT	OR	ON	2006/09/20 17:04
S99	0	"PG-PUBS INTERFERENCE SEARCH"	US-PGPUB	OR	ON	2008/03/27 06:25
S100	0	((process method) and core and laminat\$4 and (PWB PCB printed adj (circuit wiring) adj board) and copper and coating and dielectric and substrate and glass and reinforced and (via hole) and (plating electroplat\$4 electroless electrolytic) and conductive adj adhesive and (screening stenciling flood adj coating doctor adj blad\$4 immers\$4 inject\$4) and flow and cure and (protrusion nub) and (photolithograph\$4 photoresist)).clm.	US-PGPUB	OR	ON	2008/03/27 06:25
S101	4	((process method) and core and laminat\$4 and (PWB PCB printed adj (circuit wiring) adj board) and copper and coating and dielectric and substrate and glass and reinforced and (via hole) and (plating electroplat\$4 electroless electrolytic) and conductive adj adhesive and (screening stenciling flood adj coating	US-PGPUB	OR	ON	2008/03/27 06:26

		doctor adj blad\$4 immers\$4 inject\$4) and flow and cure and (protrusion nub) and (photolithograph\$4 photoresist))				
S102	7	((process method) and core and laminat\$4 and (PWB PCB printed adj (circuit wiring) adj board) and copper and coating and dielectric and substrate and glass and reinforced and (via hole) and (plating electroplat\$4 electroless electrolytic) and conductive adj adhesive and (screening stenciling flood adj coating doctor adj blad\$4 immers\$4 inject\$4) and flow and cure and (protrusion nub) and (photolithograph\$4 photoresist))	US-PGPUB; USPAT	OR	ON	2008/03/27 06:26
S103	7	"6428942"	US-PGPUB; USPAT	OR	ON	2008/03/27 06:34

S104	36	(("3791858"   "3976524"   "4181755"   "4614021"   "4908940"   "4915983"   "4921777"   "4980034"   "5063175"   "5071518"   "5091289"   "5097393"   "5106461"   "5118385"   "5137597"   "5162260"   "5283081"   "5287619"   "5316974"   "5337466"   "5464653"   "5512514"   "5654237"   "5699613"   "5784782"   "5830533"   "5834845"   "5843839"   "5891606"   "5891799"   "5916453"   "6013417").PN. OR ("6428942").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/03/27 06:39
S105	0	((process method) and core and laminat\$4 and (PWB PCB printed adj (circuit wiring) adj board) and copper and coating and dielectric and substrate and (via hole) and (plating electroplat\$4 electroless electrolytic) and conductive adj adhesive and (protrusion nub) and (photolithograph\$4 photoresist)).clm.	US-PGPUB	OR	ON	2008/03/27 06:55

S106	0	((process method) and core and laminat\$4 and (PWB PCB printed adj (circuit wiring) adj board) and copper and coating and dielectric and substrate and (via hole) and (plating electroplat\$4 electroless electrolytic) and conductive adj adhesive and (photolithograph \$4 photoresist)).clm.	US-PGPUB	OR	ON	2008/03/27 06:55
S107	0	((process method) and core and laminat\$4 and (PWB PCB printed adj (circuit wiring) adj board) and copper and coating and dielectric and substrate and (via hole) and conductive adj adhesive and (photolithograph\$4 photoresist)).clm.	US-PGPUB	OR	ON	2008/03/27 06:56
S108	0	((process method) and core and laminat\$4 and (PWB PCB printed adj (circuit wiring) adj board) and copper and coating and dielectric and substrate and (via hole) and conductive adj adhesive).clm.	US-PGPUB	OR	ON	2008/03/27 06:56

S109	0	((process method) and core and (PWB PCB printed adj (circuit wiring) adj board) and copper and coating and dielectric and substrate and (via hole) and conductive adj adhesive).clm.	US-PGPUB	OR	ON	2008/03/27 06:56
S110	2	((process method) and core and copper and coating and dielectric and substrate and (via hole) and conductive adj adhesive).clm.	US-PGPUB	OR	ON	2008/03/27 06:57
S111	22	((process method) and core and copper and coating and dielectric and substrate and (via hole)).clm.	US-PGPUB	OR	ON	2008/03/27 06:59
S112	7	((process method) and core and (PWB PCB printed adj (circuit wiring) adj board) and copper and coating and dielectric and substrate and (via hole)).clm.	US-PGPUB	OR	ON	2008/03/27 06:59
S113	1	((process method) and core and laminat\$4 and (PWB PCB printed adj (circuit wiring) adj board) and copper and coating and dielectric and substrate and (via hole)).clm.	US-PGPUB	OR	ON	2008/03/27 07:00

S114	0	((process method) and core and laminat\$4 and (PWB PCB printed adj (circuit wiring) adj board) and copper and coating and dielectric and substrate and (via hole) and (photolithograph\$4 photoresist)).clm.	US-PGPUB	OR	ON	2008/03/27 07:00
S115	15	S111 not S112	US-PGPUB	OR	ON	2008/03/27 07:03
S116	29	((BRIAN) near2 (CURCIO)). INV.	US-PGPUB; USPAT	OR	ON	2008/03/27 07:07
S117	114	((DONALD) near2 (FARQUHAR)).INV.	US-PGPUB; USPAT	OR	ON	2008/03/27 07:07
S118	134	((KONSTANTINOS) near2 (PAPATHOMAS)).INV.	US-PGPUB; USPAT	OR	ON	2008/03/27 07:07
S119	53	((MARK) near2 (POLIKS)).INV.	US-PGPUB; USPAT	OR	ON	2008/03/27 07:07
S120	7	(US-7303639-\$ or US-7076869-\$ or US-6969436-\$ or US-6790305-\$ or US-6581280-\$ or US-6570102-\$ or US-6465084-\$).did.	USPAT	OR	ON	2008/03/27 07:22
S121	23	S116 and (method process). clm.	US-PGPUB; USPAT	OR	ON	2008/03/27 07:23
S122	232	S116 S117 S118 S119	US-PGPUB; USPAT	OR	ON	2008/03/27 07:24

S123	151	S122 and (method process). clm.	US-PGPUB; USPAT	OR	ON	2008/03/27 07:24
S124	128	S123 not S116	US-PGPUB; USPAT	OR	ON	2008/03/27 07:25
S125	3	(US-6996903-\$ or US-6479093-\$ or US-6426470-\$).did.	USPAT	OR	ON	2008/03/27 08:06
S126	10	S120 S125	US-PGPUB; USPAT	OR	ON	2008/03/27 08:06
S127	25	S122 and z-axis	US-PGPUB; USPAT	OR	ON	2008/03/27 08:35
S128	6	(US-7303639-\$ or US-6996903-\$ or US-6969436-\$ or US-6790305-\$ or US-6465084-\$ or US-6426470-\$).did.	USPAT	OR	ON	2008/03/27 08:42
S129	1	("6329296").PN.	USPAT	OR	OFF	2008/05/27 13:00
S130	2	("6329296").URPN.	USPAT	OR	ON	2008/05/27 13:05
S131	1	("6091021").PN.	USPAT	OR	OFF	2008/05/27 13:06
S132	5	("5871591").PN. OR ("6091021").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/27 13:13

S133	459	("20020023777"   "2532907"   "2620296"   "2895814"   "3436819"   "3541222"   "3673680"   "3717525"   "3756937"   "3795047"   "3932932"   "3971610"   "4020493"   "4100037"   "4119688"   "4131516"   "4158589"   "4249302"   "4329157"   "4483901"   "4523971"   "4610756"   "4622108"   "4655797"   "4661654"   "4663497"   "4783722"   "4791248"   "4801380"   "4830264"   "4865630"   "4967314"   "4971696"   "5013385"   "5026624"   "5057372"   "5076205"   "5092032"   "5129042"   "5135606"   "5135608"   "5151110"   "5186718"   "5191174"   "5200026"   "5204711"   "5208068"   "5217501"   "5220135"   "5229550"   "5237130"   "5238471"   "5244143"   "5259110"   "5259881"   "5281771"   "5282312"   "5286296"   "5300402"   "5310410"   "5322593"   "5336855"   "5362575"   "5404894"	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/27 13:45
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"5408377"	"5415891"
"5421083"	"5429743"
"5435057"	"5435480"
"5444189"	"5465185"
"5468681"	"5473120"
"5474410"	"5487218"
"5509200"	"5538390"
"5543585"	"5545429"
"5557844"	"5558928"
"5562383"	"5567329"
"5576519"	"5587223"
"5590029"	"5598501"
"5608566"	"5611870"
"5613858"	"5624268"
"5626736"	"5627345"
"5638598"	"5656399"
"5666189"	"5677576"
"5699613"	"5719354"
"5734560"	"5738776"
"5744758"	"5745533"
"5745984"	"5768075"
"5817404"	"5819401"
"5819406"	"5820769"
"5822856"	"5876842"
"5876880"	"5879787"
"5908719"	"5920123"
"5927193"	"5935739"
"5984691"	"6004700"
"6009620"	"6013588"
"6013876"	"6015520").PN.
OR ("6023029"	"6051093"
"6056191"	"6059579"

		"6073344"   "6106891"   "6125531"   "6138350"   "6159586"   "6163957"   "6168442"   "6194024"   "6214445"   "6222136"   "6245696"   "6258627"   "6280813"   "6291779"   "6319811"   "6320140"   "6323439"   "6326555"   "6351393"   "6388204"   "6440542"   "6448509"   "6465084"   "6486394"   "6504111"   "6810583"   "6938332"   "6944946").PN. OR ("2001/0036744"   "2001/0046586"   "2002/0168166"   "4045312"   "4661203"   "5695564"   "5753014"   "5764842"   "6313905"   "6372391"   "6391430"   "6426470"   "6465084"   "6479093"   "6570102"   "6581280"   "6790305"   "6969436"   "6996903"   "7076869"   "7303639").URPN.				
S134	317	S133 and etch\$4	USPAT	OR	ON	2008/05/27 13:46
S135	86	S134 and etch\$4 with (Si silicon)	USPAT	OR	ON	2008/05/27 13:46

S136	30	( "20010006169"   "20010036744"   "20010006169"   "20020168166"   "20050011447"   "20050241583"   "20050251990"   "20050011447"   "20050241583"   "20050251990"   "20060060138"   "20060060138"   "3982976"   "4243506"   "4523971"   "4661203"   "4771213"   "4842679"   "5015331"   "5171732"   "5223108"   "5254215"   "5304250"   "5332464"   "5417798"   "5503881"   "5695564"   "5753014"   "5764842"   "5770123"   "5868952"   "5986275"   "5990016"   "5417798"   "5503881"   "5990016"   "6087274"   "6132805"   "6171351"   "6176967"   "6214161"   "6261406"   "6316289"   "6413880"   "6418941").PN.	USPAT	OR	ON	2008/05/27 13:57
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S137	12	(US-6091021-\$ or US-6329296-\$ or US-7288008-\$ or US-6261406-\$ or US-6176967-\$ or US-5015331-\$ or US-4734152-\$ or US-4801380-\$ or US-4158589-\$ or US-4523971-\$ or US-4661203-\$ or US-5753014-\$).did.	USPAT	OR	ON	2008/05/27 16:29
S138	283	("20020058400"   "2639392"   "3271286"   "3336211"   "3361659"   "3530824"   "3561993"   "3717525"   "3863074"   "3904366"   "3971684"   "3994793"   "4006340"   "4010089"   "4020350"   "4085332"   "4094764"   "4119688"   "4119881"   "4123316"   "4158589"   "4233109"   "4259145"   "4329157"   "4340461"   "4373399"   "4380865"   "4411733"   "4419813"   "4436602"   "4448865"   "4450031"   "4464223"   "4483901"   "4522674"   "4523971"   "4535835"   "4568410"   "4574263"   "4592824"   "4599970"   "4627379"   "4655797"   "4661203"   "4680086"   "4717462"	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/27 16:29

		"4724060"   "4734152"   "4764249"   "4792378"   "4795529"   "4801380"   "4812201"   "4856955"   "4865630"   "4971696"   "5151110"   "5223108"   "5238471"   "5246526"   "5271798"   "5301013"   "5328722"   "5338424"   "5372674"   "5415891"   "5429743"   "5451261"   "5567255"   "5627105"   "5667592"   "5693234"   "5705320"   "5750012"   "5871591"   "5998233"   "6924493").PN. OR ("4158589"   "4523971"   "4661203"   "4734152"   "4801380"   "5015331"   "5753014"   "6091021"   "6176967"   "6261406"   "6329296"   "7288008").URPN.				
S139	211	S138 and etch\$4	USPAT	OR	ON	2008/05/27 16:29
S140	123	S138 and etch\$4 with (Si silicon)	USPAT	OR	ON	2008/05/27 16:30
S141	2	S140 and mask with (stencil mesh screen )	USPAT	OR	ON	2008/05/27 16:30
S142	3	S140 and mask\$4 with (stencil mesh screen\$4)	USPAT	OR	ON	2008/05/27 16:32

S143	0	S140 and mask\$4 same (stencil mesh screen\$4) not S142	USPAT	OR	ON	2008/05/27 16:33
S144	16	S140 and mask\$4 and (stencil mesh screen\$4) not S142	USPAT	OR	ON	2008/05/27 16:33
S145	205	("3177654"   "3361659"   "3660715"   "3969646"   "4104086"   "4119881"   "4123316"   "4123663"   "4139442"   "4158589"   "4233109"   "4243506"   "4259145"   "4349409"   "4352725"   "4399016").PN. OR ("4243506"   "4259145"   "4450031"   "4464223").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/27 16:36
S146	94	S145 and etch\$4 with (Si silicon)	USPAT	OR	ON	2008/05/27 16:40
S147	1573	(stencil shadow screen\$4 mesh \$4) same (trap\$4 entrap\$4) near (residue partic\$5 \$3product contaminat\$4)	US-PGPUB; USPAT	OR	ON	2008/05/29 11:02
S148	153	S147 and etch\$4	US-PGPUB; USPAT	OR	ON	2008/05/29 11:02
S149	10	(stencil shadow screen\$4 mesh \$4) near mask\$4 same (trap\$4 entrap\$4) near (residue partic \$5 \$3product contaminat\$4) and etch\$4	US-PGPUB; USPAT	OR	ON	2008/05/29 11:03

S150	14	(stencil shadow screen\$4 mesh\$4) with mask\$4 same (trap\$4 entrap\$4) with (residue partic\$5 \$3product contamina\$4) and etch\$4 not S149	US-PGPUB; USPAT	OR	ON	2008/05/29 11:05
S151	16	(US-6091021-\$ or US-6329296-\$ or US-7288008-\$ or US-6261406-\$ or US-6176967-\$ or US-5015331-\$ or US-4734152-\$ or US-4801380-\$ or US-4158589-\$ or US-4523971-\$ or US-4661203-\$ or US-5753014-\$ or US-4259145-\$ or US-4243506-\$ or US-4450031-\$ or US-4464223-\$).did.	USPAT	OR	ON	2008/05/29 11:11
S152	548	etch\$4 and (stencil shadow screen\$4 mesh\$4) with mask\$4 and (trap\$4 entrap\$4 captur\$4 enclos\$4) with (residue partic\$5 \$3product contamina\$4)	US-PGPUB; USPAT	OR	ON	2008/05/29 11:14
S153	524	S152 not (S149 S150)	US-PGPUB; USPAT	OR	ON	2008/05/29 11:15
S154	15	etch\$4 and (stencil shadow screen\$4 mesh\$4) with mask\$4 same (trap\$4 entrap\$4 captur\$4 enclos\$4) with (residue partic\$5 \$3product contamina\$4) not (S149 S150)	US-PGPUB; USPAT	OR	ON	2008/05/29 11:15

S155	18	etch\$4 and (stencil shadow screen\$4 mesh\$4) with mask \$4 same (trap\$4 entrap\$4 captur\$4 enclos\$4) same (residue partic\$5 \$3product contamina\$4) not (S149 S150 S154)	US-PGPUB; USPAT	OR	ON	2008/05/29 11:19
S156	11	etch\$4 and (stencil shadow screen\$4 mesh\$4) same mask \$4 same (trap\$4 entrap\$4 captur\$4 enclos\$4) same (residue partic\$5 \$3product contamina\$4) not (S149 S150 S154 S155)	US-PGPUB; USPAT	OR	ON	2008/05/29 11:23
S157	1359	etch\$4 and (stencil shadow screen\$4 mesh\$4) same mask \$4 and (trap\$4 entrap\$4 captur\$4 enclos\$4) same (residue partic\$5 \$3product contamina \$4) not (S149 S150 S154 S155 S156)	US-PGPUB; USPAT	OR	ON	2008/05/29 11:26
S158	503	etch\$4 and (stencil shadow screen\$4 mesh\$4) with mask \$4 and (trap\$4 entrap\$4 captur\$4 enclos\$4) with (residue partic\$5 \$3product contamina \$4) not (S149 S150 S154 S155 S156)	US-PGPUB; USPAT	OR	ON	2008/05/29 11:26



S159	119	(S147 S152 S153 S158) and (texur\$4 rough\$4 contour\$4) near surface	US-PGPUB; USPAT	OR	ON	2008/05/29 11:27
S160	42	S147 and (texur\$4 rough\$4 contour\$4) near surface	US-PGPUB; USPAT	OR	ON	2008/05/29 11:27
S161	79	S152 and (texur\$4 rough\$4 contour\$4) near surface	US-PGPUB; USPAT	OR	ON	2008/05/29 11:28
S162	79	S153 and (texur\$4 rough\$4 contour\$4) near surface	US-PGPUB; USPAT	OR	ON	2008/05/29 11:28
S163	219	S157 and (texur\$4 rough\$4 contour\$4) near surface	US-PGPUB; USPAT	OR	ON	2008/05/29 11:28
S164	79	S158 and (texur\$4 rough\$4 contour\$4) near surface	US-PGPUB; USPAT	OR	ON	2008/05/29 11:28
S165	2	S147 and S158 and (texur\$4 rough\$4 contour\$4) near surface	US-PGPUB; USPAT	OR	ON	2008/05/29 11:29
S166	2	S147 and S153 and (texur\$4 rough\$4 contour\$4) near surface	US-PGPUB; USPAT	OR	ON	2008/05/29 11:30
S167	42	S147 and S159 and (texur\$4 rough\$4 contour\$4) near surface	US-PGPUB; USPAT	OR	ON	2008/05/29 11:30

S168	10	(US-6780249-\$ or US-6261406-\$ or US-4661203-\$ or US-4523971-\$ or US-4464223-\$ or US-4243506-\$ or US-4158589-\$ or US-4450031-\$ or US-4259145-\$ or US-5015331-\$). did.	USPAT	OR	ON	2008/05/29 11:51
S169	134	("20020118245"   "3177654"   "3336211"   "3361659"   "3660715"   "3863074"   "3904366"   "3969646"   "3994793"   "4006340"   "4010089"   "4013502"   "4020350"   "4085332"   "4094764"   "4104086"   "4119688"   "4119881"   "4123316"   "4139442"   "4158589"   "4218532"   "4523971"   "4535835"   "4582731"   "4661203"   "4734227"   "4734451"   "4737384"   "4764249"   "4812201"   "4944837"   "5223108"   "5246526"   "5271798"   "5372674"   "5545307"   "5567255"   "5627105"   "5667592"   "5693234"   "5705320"   "5750012"   "5766637"   "5910220"   "5998233"   "6190927").PN. OR ("4158589"	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/29 11:52

		"4259145"   "4661203"   "6261406"   "6780249").URPN.				
S170	3814	(S169 solar) and (texur\$4 rough\$4 contour\$4) near surface	US-PGPUB; USPAT	OR	ON	2008/05/29 11:53
S171	138870	S169 and solar (texur\$4 rough \$4 contour\$4) near surface	US-PGPUB; USPAT	OR	ON	2008/05/29 11:53
S172	10	S169 and (solar (texur\$4 rough \$4 contour\$4) near surface)	US-PGPUB; USPAT	OR	ON	2008/05/29 11:54
S173	33	("3310424"   "4158589"   "4277304"   "4317844"   "4415602"   "4454835").PN. OR ("4525381"   "4525382"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/29 11:56
S174	173	("2932591"   "3318790"   "3336211"   "3361659"   "3485666"   "3519901"   "3650929"   "3655438"   "3863074"   "3904366"   "3994793"   "4006340"   "4010089"   "4020350"   "4085332"   "4094764"   "4119881"   "4123316"   "4454835"   "4525382"   "4687544"   "4718974"   "4910436"   "5030475").PN. OR ("4158589"   "4277304"   "4317844"   "5217559").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/29 12:03

S175	15	S174 and etch\$4 and (solar (texur\$4 rough\$4 contour\$4) near surface)	US-PGPUB; USPAT	OR	ON	2008/05/29 12:03
S176	75070	solar cell with substrate with (texur\$7 roughen\$4)	US-PGPUB; USPAT	OR	ON	2008/06/23 05:51
S177	19	solar adj cell with substrate with (texur\$7 roughen\$4)	US-PGPUB; USPAT	OR	ON	2008/06/23 05:51
S178	190	("20020034611"   "20020162218"   "20030160026"   "20040084080"   "20050087226"   "20050109388"   "20060194417"   "3780722"   "3886005"   "4117829"   "4126150"   "4229233"   "4252865"   "4322571"   "4328390"   "4353788"   "4407695"   "4409423"   "4444992"   "4478209"   "4482779"   "4497974"   "4500743"   "4514582"   "4514583"   "4532537"   "4554727"   "4555622"   "4556790"   "4571448"   "4584055"   "4599482"   "4605689"   "4644934"   "4663188"   "4683160"   "4689438"   "4694116"   "4703337"   "4732621"   "4746372"   "4781792"	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/23 05:56

"4812352"	"4851302"
"4931412"	"4959106"
"5002617"	"5006180"
"5007971"	"5024706"
"5028488"	"5039561"
"5081049"	"5136351"
"5296043"	"5357899"
"5461002"	"5486238"
"5510151"	"5575860"
"5688366"	"5698451"
"5712199"	"5714010"
"5726065"	"5770463"
"5816238"	"5894853"
"5949123"	"5981864"
"5986204"	"6110347"
"6156968"	"6163313"
"6190937"	"6207890"
"6211038"	"6224016"
"6248948"	"6258666"
"6258698"	"6272269"
"6331208"	"6384313"
"6384317"	"6387780"
"6388187"	"6391743"
"6416818"	"6429035"
"6452091"	"6464762"
"6500731"	"6524880"
"6566235"	"6566277"
"6594542"	"6663944"
"6664169"	"6682990"
"6730840"	"6756289"
"6802900"	"6802926"
"6818104"	"6824609"

		"6869863"   "6953506"   "7022181"   "7118625").PN. OR ("2004/0040932"   "2004/0063326"   "2004/0109666"   "2004/0152326"   "2005/0285121"   "2006/0160336"   "2007/0062575"   "2007/0128761"   "4664748"   "4808462"   "4931412"   "4956685"   "5244509"   "5282902"   "5284525"   "6969897"   "7128975"   "7196018"   "7282190").URPN.				
S179	105	S178 and ((solar adj cell (texur\$7 roughen\$4)) with substrate)	US-PGPUB; USPAT	OR	ON	2008/06/23 05:57
S180	9	S178 and ((solar adj cell and (texur\$7 roughen\$4)) with substrate)	US-PGPUB; USPAT	OR	ON	2008/06/23 05:57
S181	33	solar adj cell with substrate with (texur\$7 roughen\$4)	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/06/23 05:59
S182	1	2003-225097.NRAN.	DERWENT	OR	ON	2008/06/23 06:06

S183	26	solar adj cell and substrate with (texur\$7 roughen\$4) not S181	USOCR; FPPS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/06/23 06:10
S184	46	solar adj cell and substrate same (texur\$7 roughen\$4) not (S181 S182)	USOCR; FPPS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/06/23 06:14
S185	5	solar adj cell and substrate and (texur\$7 roughen\$4) not (S181 S183 S184 )	USOCR; FPPS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/06/23 06:21
S186	3	2002-076404	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/09/05 12:45
S187	2	2000-263023	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/09/05 12:46
S188	46	"076404"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/09/05 12:46
S189	29	"076404"	JPO; DERWENT	OR	ON	2008/09/05 12:46
S190	0	yosuki and kenji	JPO; DERWENT	OR	ON	2008/09/05 12:47
S191	316	yosuke and kenji	JPO; DERWENT	OR	ON	2008/09/05 12:47

S192	18	yosuke and kenji and kyocera	JPO; DERWENT	OR	ON	2008/09/05 12:47
S193	4	S192 and roughening	JPO; DERWENT	OR	ON	2008/09/05 12:47
S194	14	S192 not S193	JPO; DERWENT	OR	ON	2008/09/05 12:57
S195	3	2001-130430	JPO; DERWENT	OR	ON	2008/09/05 13:55
S196	3	"2001130430"	JPO; DERWENT	OR	ON	2008/09/05 13:56
S197	3	plate with substrate with (separat\$4 gap) with ("5" "30") near mm	JPO; DERWENT	OR	ON	2008/09/05 14:30
S198	0	plate with substrate with (separat\$4 gap) with ("5" "30") near mm	EPO; IBM_TDB	OR	ON	2008/09/05 14:33
S199	0	plate with substrate with (separat\$4 gap) with ("5" "30") near mm	FPRS	OR	ON	2008/09/05 14:33
S200	55	plate same substrate same (separat\$4 gap) same ("5" "30") with mm	JPO; DERWENT	OR	ON	2008/09/05 14:34
S201	28	plate same substrate same (separat\$4 gap) same ("5" "30") near mm	JPO; DERWENT	OR	ON	2008/09/05 14:34
S202	6	plate same substrate same (separat\$4 gap) with ("5" "30") near mm	JPO; DERWENT	OR	ON	2008/09/05 14:34



S203	3	S202 not S197	JPO; DERWENT	OR	ON	2008/09/05 14:34
S204	12	plate same substrate with (separat\$4 gap) same ("5" "30") near mm	JPO; DERWENT	OR	ON	2008/09/05 14:35
S205	7	S204 not S202	JPO; DERWENT	OR	ON	2008/09/05 14:36
S206	14	plate with substrate same (separat\$4 gap) same ("5" "30") near mm	JPO; DERWENT	OR	ON	2008/09/05 14:37
S207	5	S206 not (S204 S202)	JPO; DERWENT	OR	ON	2008/09/05 14:37
S208	10	S201 not (S204 S202 S206)	JPO; DERWENT	OR	ON	2008/09/05 14:39
S209	27	S200 not S201	JPO; DERWENT	OR	ON	2008/09/05 14:40
S210	1	("6325857").PN.	USPAT	OR	OFF	2008/09/08 11:58
S211	308	(chamfer\$4 bevel\$4 slop\$4 slant\$4 angl\$4) near (sidewall wall edge opening rim peripher \$4) and (plasma RIE) and solar	US-PGPUB; USPAT	OR	ON	2008/09/08 15:48
S212	152	(chamfer\$4 bevel\$4 slop\$4 slant\$4 angl\$4) near (sidewall wall edge opening rim peripher \$4) and (plasma RIE) and solar adj cell	US-PGPUB; USPAT	OR	ON	2008/09/08 15:48

S213	92	(chamfer\$4 bevel\$4 slop\$4 slant\$4 angl\$4) near (sidewall wall edge opening rim peripher\$4) and etch\$4 with (plasma RIE) and solar adj cell	US-PGPUB; USPAT	OR	ON	2008/09/08 15:49
S214	16	(chamfer\$4 bevel\$4 slop\$4 slant\$4 angl\$4) near (sidewall wall edge opening rim peripher\$4) same etch\$4 with (plasma RIE) and solar adj cell	US-PGPUB; USPAT	OR	ON	2008/09/08 15:49
S215	0	(chamfer\$4 bevel\$4 slop\$4 slant\$4 angl\$4) near (sidewall wall edge opening rim peripher\$4) same shadow adj mask and etch\$4 with (plasma RIE) and solar adj cell	US-PGPUB; USPAT	OR	ON	2008/09/08 15:52
S216	3	(chamfer\$4 bevel\$4 slop\$4 slant\$4 angl\$4) near (sidewall wall edge opening rim peripher\$4) same (plate screen shadow adj mask) and etch\$4 with (plasma RIE) and solar adj cell	US-PGPUB; USPAT	OR	ON	2008/09/08 15:53
S217	65	(chamfer\$4 bevel\$4) near (sidewall wall edge opening rim peripher\$4) and (plasma RIE) and solar	US-PGPUB; USPAT	OR	ON	2008/09/08 15:55

S218	41	(chamfer\$4 bevel\$4) near (sidewall wall edge opening rim peripher\$4) and (plasma RIE) and solar adj cell	US-PGPUB; USPAT	OR	ON	2008/09/08 15:56
S219	1	shadow adj mask with (chamfer\$4 bevel\$4) near (sidewall wall edge opening rim peripher\$4)	US-PGPUB; USPAT	OR	ON	2008/09/08 16:28
S220	18	shadow adj mask same (chamfer\$4 bevel\$4) with (sidewall wall edge opening rim peripher\$4)	US-PGPUB; USPAT	OR	ON	2008/09/08 16:29

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